

# WLC C/2 Precision Balances

Standard weighing and mobility for universal laboratory and industrial applications



WLC C/2, d = 0.01 g













WLC C/2, d = 0.1 g



Communication interfaces

## Functions

 Parts counting	 Percent weighing	 Totalizing	 In-built battery	 Replaceable unit
 +/- Control	 Peak hold	 Alibi memory	 Real-time clock	 Tare memory

## Features

### Measurements Accuracy and Performance

Measurement accuracy and robust design of the WLC C/2 balances enable precise mass determination under laboratory and industrial conditions.

### Fast Measurement and Uncomplicated Operation

Easy operation enables fast and reliable measurements to be carried out even by an inexperienced operator.

### Clearly Presented Indications

Simple and easy-to-read LCD display assures clear presentation of the weighing result under various working conditions.

### Mobility Due to an Internal Battery

In addition to power supply from the mains, the WLC C/2 balances are equipped with an external battery that enables several hours long mobile operation.

### Automatic Adjustment

Internal adjustment system guarantees the highest accuracy and reliable measurements results.

## Technical Specifications

	WLC 0.6/A1/C/2	WLC 1/A2/C/2	WLC 2/A2/C/2	WLC 6/A2/C/2
Maximum capacity [Max]	0.6 kg	1 kg	2 kg	6 kg
Minimum load	1 g	—	—	10 g
Readability [d]	0.01 g	0.01 g	0.01 g	0.1 g
Verification scale interval [e]	0.1 g	—	—	1 g
Tare range	−0.6 kg	−1 kg	−2 kg	−6 kg
Repeatability*	0.015 g	0.015 g	0.015 g	0.15 g
Linearity	±0.02 g	±0.03 g	±0.03 g	±0.2 g
Stabilization time	3 s	3 s	3 s	3 s
Adjustment	internal	internal	internal	internal
Verification	Yes	—	—	Yes
OIML Class	II	—	—	II
Display	LCD (with backlight)	LCD (with backlight)	LCD (with backlight)	LCD (with backlight)
Keypad	6 keys	6 keys	6 keys	6 keys
Protection class	IP 43	IP 43	IP 43	IP 43
USB-A	1	1	1	1
USB-B	1	1	1	1
RS 232	2	2	2	2
IN/OUT**	4 × IN, 4 × OUT	4 × IN, 4 × OUT	4 × IN, 4 × OUT	4 × IN, 4 × OUT
Power consumption	6 W	6 W	6 W	6 W
Power supply	100 ÷ 240 V AC 50 ÷ 60 Hz 12 V DC + battery	100 ÷ 240 V AC 50 ÷ 60 Hz 12 V DC + battery	100 ÷ 240 V AC 50 ÷ 60 Hz 12 V DC + battery	100 ÷ 240 V AC 50 ÷ 60 Hz 12 V DC + battery
Operation time on batteries	15 h	15 h	15 h	15 h
Operating temperature	+15 ÷ +30 °C	+15 ÷ +30 °C	+15 ÷ +30 °C	+15 ÷ +30 °C
Atmospheric humidity***	10 ÷ 85% RH	10 ÷ 85% RH	10 ÷ 85% RH	10 ÷ 85% RH
Weighing pan dimensions	128 × 128 mm	195 × 195 mm	195 × 195 mm	195 × 195 mm
Weighing device dimensions	333 × 206 × 97 mm	333 × 206 × 97 mm	333 × 206 × 97 mm	333 × 206 × 97 mm
Net weight	3.6 kg	3.6 kg	3.6 kg	3.6 kg
Gross weight	5.6 kg	5.1 kg	5.1 kg	5.1 kg
Packaging dimensions	470 × 380 × 336 mm	470 × 380 × 336 mm	470 × 380 × 336 mm	470 × 380 × 336 mm

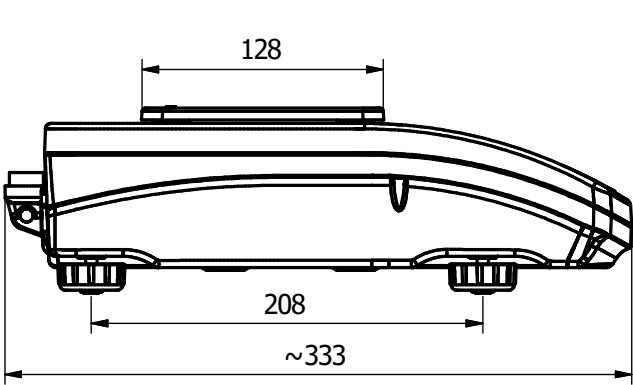
\* repeatability is expressed as a standard deviation from 10 weighing cycles

\*\* optional solution

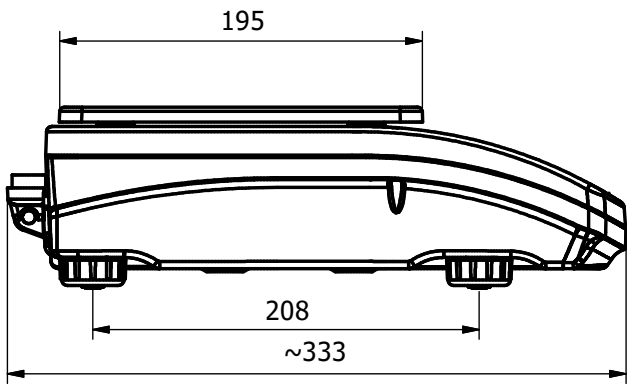
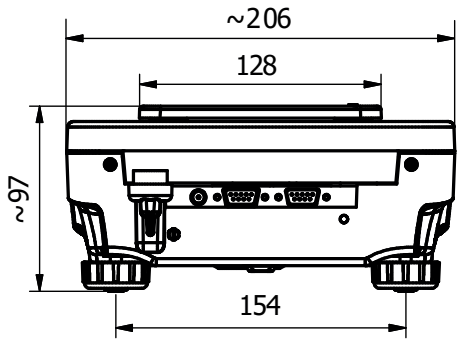
\*\*\* non-condensing conditions

In accordance with type approval, the balance parameters are maintained in temperature range: +15 ÷ +35 °C.

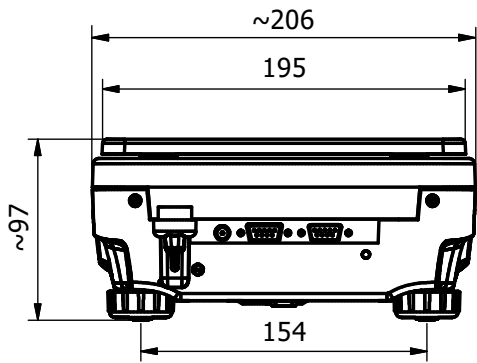
Dimensions



WLC A1



WLC A2



## Dimensions

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### Weighing Tables

- granite antivibration table

### Professional Weighing

- under-hook weighing rack

### Peripheral Devices

- Epson dot matrix printer
- WD-4/4 LCD display

### Cables, Converters

- P0108: RS 232 cable (balance-computer)
- P0151: RS 232 cable (balance - Epson printer)
- KR-01 converter
- AP2-1 power loop output

### Draft Shields and Anti-Draft Chambers

- draft shield for balances with a weighing pan 128 × 128 mm

### Remaining Accessories

- suitcase for WLC/A1-A2

## Dedicated Software

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### R-LAB

- collecting measurements
- carrying out statistical analysis of measurements
- customized graphs and reports

### LabView Driver

- operation of RADWAG balances in LabView environment

### Scale editor

- Software designed to enable change of parameters in the PUEC/31 indicator.

### RAD KEY

- Establishing cooperation between a weighing instrument and a computer

### R. Barcode

- The basic function software is presentation of the data sent by barcode scanners connected to PC via USB or RS232

### Radwag Development Studio

- presentation of functions (and subfunctions) of communication protocol (Common Communication Protocol)
- possibility of connection with weighing equipment on which each function is carried out,
- library with mass control, contained within the development environment
- complete documentation of the communication protocol
- set of user manuals for different solutions addressed for programmers employed in companies using RADWAG-manufactured weighing equipment

### RADWAG Connect

- establishing communication with all balances, scales and weighing modules using Common Communication Protocol
- communication via local network,
- support of basic functions
- auto searching for devices
- connecting with few devices simultaneously, swapping between them
- clear list of connected platforms
- record of measurements in the program,
- export of carried out measurements to CSV file,
- work performed using freely selected device with Windows 10 operating system